

MULTI-LAYER PRINTED CIRCUIT BOARDS

John Grebenkemper
Frank Mikalauskas
Srinivasan Venkataraman
Jonathan Buck

ABSTRACT

A printed circuit board includes a power plane and a ground reference plane that includes two opposite sides. The power plane is positioned proximate one side of the ground reference plane. A signal layer is positioned proximate the other side of the ground reference plane to isolate the power plane from the signal layer. Any noise on the power plane or the signal layer is thus isolated by the intervening ground plane.